ABSTRACT

A fluidics station is described that includes a housing that accepts removable modules, where each of the removable modules includes; a holder that receives a probe array cartridge, where the probe array cartridge includes a chamber that is fluidically coupled to fluid transfer apertures; a transport mechanism that reversibly transports the holder and the probe array cartridge between a first position and a second position; alignment pins constructed and arranged to engage one or more alignment features of the probe array cartridge, where the probe array cartridge is in the second position; and a needle constructed and arranged to interface with each of the fluid transfer apertures.